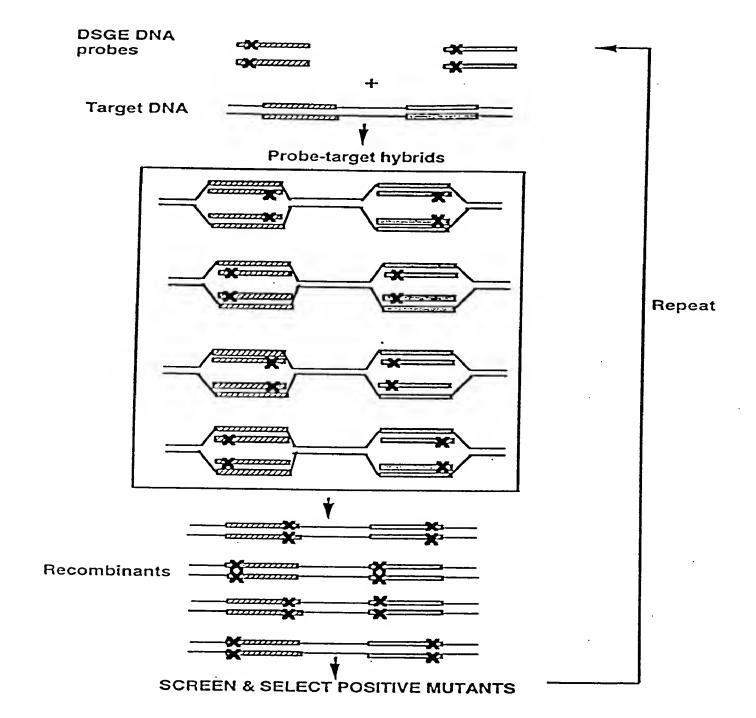


FIGURE 4



Terget Probe	Re cA costling	Hort	7/R ecombitmen / to tel co lo de
pR0.59 •	•	Reol+	0
<u> </u>	•	Reck -	
o R.D. 59(P290		RecA+	8
1P290	•	Real -	
p R.D. 59(P290	•	Rect+	3
tP290	•	Reck -	0
pRD590₽290	•	Reck+	0
DP290	•	Reck -	0
pRD590P290	•	Reol+	0
OP290	•	Rect -	•
PRD 59C P443		Reol+	0
CPHS	•	Reck -	0
PRDS9CP443	•	Reol+	0
CPH3	+	Reck -	0

B.

FIGURE 3

Immunize Mouse with Heat Inactivated **Botulinum Toxin**

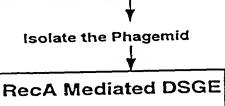
After secondary boost, isolate spleen cells

Isolate mRNA

ScFv Library using Recombinant Phage Antibody System Kit From Pharmacia

Pan for Botulinum Toxin

Screen & Select the Low Affinity Botulinum **Toxin Binding Phage**



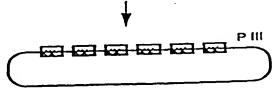
CDR H1 2 3 L1 2 Anti-BoNT/A scFv

CDR

Electroporate the Modified Phagemid

Infect with helper Phage

Recombinant Phage



Pan for Antigens of Interest

Bacteria- Tetanus Toxoid, Anthrax Cell Membrane Components Enzymes- Acetyl cholenesterase

Pan & Select for High Affinity Botulinum Toxin Binding Phage

Characterize-Sequencing, Binding Studies & Soluble scFv etc